

Rat GATA Binding Protein 4 ELISA Kit | GATA4 elisa kit

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CATALOG #
AAA82676

REACTIVITY
Rat

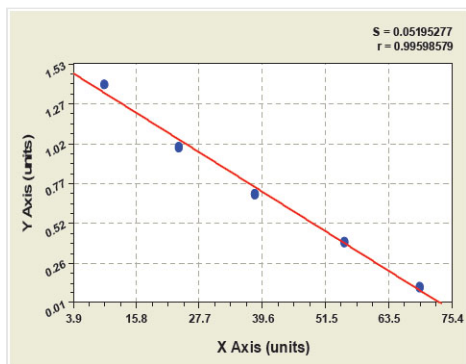
PRODUCT SYNONYMS

GATA Binding Protein 4; Rat GATA Binding Protein 4 ELISA Kit; GATA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25 ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This GATA4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat GATA4. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GATA4 elisa kit

Principle of the Assay: GATA4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GATA4 antibody and an GATA4-HRP conjugate. The assay sample and buffer are incubated together with GATA4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GATA4 concentration since GATA4 from samples and GATA4-HRP conjugate compete for the anti-GATA4 antibody binding site. Since the number of sites is limited, as more sites are occupied by GATA4 from the sample, fewer sites are left to bind GATA4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GATA4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15232355
NCBI GeneID	825224
NCBI Accession #	NP_191612.1
NCBI GenBank Nucleotide #	NM_115917.4
Molecular Weight	26,467 Da
NCBI Official Full Name	GATA transcription factor 4
NCBI Official Symbol	GATA4
NCBI Official Synonym Symbols	GATA transcription factor 4; GATA4
NCBI Protein Information	GATA transcription factor 4
UniProt Protein Name	GATA transcription factor 4
UniProt Gene Name	GATA4
UniProt Synonym Gene Names	At3g60530; T8B10.190; AtGATA-4
UniProt Entry Name	GATA4_ARATH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/gata4-rat-elisa-kits/gata-binding-protein-4/82676>